

AMENDMENTS TO THE CLAIMS:

The listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF THE CLAIMS

1. (currently amended) Traction sheave hoist for lifting a platform displaceable by means of at least two ropes, said traction sheave hoist having comprising a motor-driven traction sheave around the circumference of which at least a first rope groove and a second rope groove are formed, and a first hold-down system for the first rope groove and a second hold-down system for the second rope groove with which the ropes wrapping around the traction sheave are pressed into the corresponding rope grooves during operation, characterised in that said traction sheave hoist further comprising an adjustment device (30) is assigned to at least one of the hold-down systems (20) with which the position or engagement depth of the rope (2, 3, 4, 5) in the rope groove (14, 15, 16, 17) achieved with the corresponding hold-down system (20) can be controllably varied.
2. (currently amended) Traction sheave hoist according to Claim 1 claim 1, characterised in that wherein an adjustment device (30) is assigned to each of the hold-down systems (20A, 20B, 20C, 20D) with which the position or engagement depth of the corresponding rope (2-5) in its rope groove (14, 15, 16, 17) can be varied in relation to the position or engagement depth of the other ropes in their rope grooves.
3. (currently amended) Traction sheave hoist according to Claim 1 or 2 claim 1, characterised in that wherein the traction sheave (13) has comprises a total of four rope grooves (14, 15, 16, 17) around its circumference (13'), with all four rope grooves preferably being provided to take load-bearing ropes (2, 3, 4, 5).

4. (currently amended) Traction sheave hoist according to ~~one of Claims 1 to 3~~
~~claim 1, characterised in that each wherein said~~ adjustment device (30) can be controlled separately and/or comprises a lifting magnet (32) as an adjustment element.
5. (currently amended) Traction sheave hoist according to ~~one of Claims 1 to 4~~
~~claim 1, characterised in that wherein~~ the adjustment device (30) is connected to the hold-down system (20) via a connecting device transmitting only tensile forces, said connecting device comprising in particular a chain (31).
6. (currently amended) Traction sheave hoist according to ~~one of Claims 1 to 5~~
~~claim 1, characterised in that each wherein said~~ hold-down system (20) has comprises a pivot-mounted lever (24) on the housing (12) to which a tie rod (26) is linked that presses or preloads the lever (24) against the traction sheave (13) by means of a pressure spring (27).
7. (currently amended) Traction sheave hoist according to ~~one of Claims 1 to 6~~
~~claim 1, characterised in that each wherein said~~ hold-down system (20) has two hold-down rollers (21) mounted pivotably on a roller support (22).
8. (currently amended) Traction sheave hoist according to ~~Claim 6 or 7 claim 6,~~
~~characterised in that wherein~~ the adjustment device (30) is arranged in series with the pressure spring (27) and/or in series with the tie rod (26).
9. (currently amended) Traction sheave hoist according to ~~one of Claims 1 to 8~~
~~claim 1, characterised by further comprising~~ an evaluation and control device (8) assigned to the adjustment device devices (30) with which the adjustment devices (30) to change the position of each hold-down system (20A, 20B, 20C, 20D) device can be controllably adjusted.

10. (currently amended) Traction sheave hoist according to ~~one of Claims 1 to 9~~
~~claim 1, characterised by further comprising~~ a winding device (40) for each rope (2-5), said winding device (40) being driven by ~~the~~ a motor (12) for the traction sheave (13).
11. (currently amended) Traction sheave hoist according to ~~Claim 10~~ claim 10,
~~characterised in that~~ wherein the winding device (40) for each rope (2, 3, 4, 5) has a winding drum (41A, 41B, 41C, 41D), each provided with an external gearing (47), wherein a drive gear (48) mounted on an output shaft (50) preferably meshes with each external gearing, preferably via a slip clutch (49), wherein the output shaft (50) is also preferably connected to the drive shaft (19) for the traction sheave (13) with a freewheel in one direction of rotation and a drive in the other direction of rotation.
12. (currently amended) Traction sheave hoist according to ~~Claim 11~~ claim 11,
characterised in that at least one, preferably two controllable braking devices (55) ~~are~~ device is assigned to the output shaft (50).
13. (currently amended) Traction sheave hoist according to ~~one of Claims 1 to 12~~
~~claim 1, characterised in that~~ further comprising a sensor device (60) for detection of slack rope and/or overload is provided for each rope (2, 3, 4, 5) or for each load rope (2, 5), wherein the sensor device (60) preferably permits the detection of slack rope and overload at the same time.
14. (currently amended) Traction sheave hoist according to ~~Claim 13~~ claim 13,
~~characterised in that~~ wherein the sensor device (60) ~~has~~ comprises a sensor arm (66) mounted pivotably about a pivot bearing (64) and a sensing arm (63) mounted pivotably about the pivot bearing (64) on which a sensing roller (61) that is in contact with the corresponding rope during operation is mounted pivotably about a pivot bearing (62), wherein the sensing arm (63) is preferably connected to the sensor arm (66) via a preloading spring (80) that slews the

sensing arm (63) relative to the sensor arm (66) in relation to the contact force acting on the sensing roller (61).

15. (currently amended) Traction sheave hoist according to ~~Claim 14~~ claim 14, characterised in that ~~a~~ wherein one of said sensor devices ~~sensing arm (63)~~ with sensing roller (61) is provided for ~~at least each load rope (2, 4)~~ or for each rope (2-5), and wherein the respective sensor arms (66) of all the sensor devices (60) are rigidly connected to one another.
16. (currently amended) Traction sheave hoist according to ~~Claim 14 or 15~~ claim 14, characterised in that the wherein a slewing position of the sensing arm (63) can be sensed with a first, ~~preferably~~ multi-position switch (82) and the a slewing position of the sensor arm (66) can be sensed with a second switch (81).
17. (currently amended) Traction sheave hoist according to ~~one of Claims 1 to 16~~ claim 1, characterised in that further comprising a ratchet wheel (90) of a centrifugal trip device is attached to the traction sheave (13).
18. (currently amended) Traction sheave hoist according to claim 1, wherein said traction sheave hoist is operably connected to a service Service lift with comprising a platform (1) displaceable by means of said at least two, preferably four ropes (2, 3, 4, 5) and a traction sheave hoist (10) that comprises a traction sheave (13) driven by a motor (12) and having a rope groove (14, 15, 16, 17) for each rope (2, 3, 4, 5) around its circumference (13'), characterised in that the traction sheave hoist is designed according to one of Claims 1 to 17.
19. (currently amended) Service lift according to Claim 18 Traction sheave hoist according to claim 18, characterised in that further comprising a measuring sensor, in particular an angle sensor (6), is assigned to the platform (1), wherein the measuring signals of the output by the angle sensor (6) are fed to an evaluation and control device (8) that controls the adjustment devices (30) device

for the hold-down system ~~systems~~ (20) for each rope in relation to the measuring signals.

20. (currently amended) Service lift Traction sheave hoist according to ~~Claim 19 claim 19~~, characterised in that wherein at least one of the ropes is designed as an electric conductor for transmission of the measuring signals between the measuring angle sensor (6) and the evaluation and control device (8).

21. (new) A traction sheave hoist comprising:

a motor;

a traction sheave driven by said motor and comprising a circumference in which at least a first rope groove and a second rope groove are formed, said first and second grooves adapted to receive first and second associated ropes, respectively;

a first hold-down system associated with the first rope groove for pressing the first associated rope into the first rope groove;

a second hold-down system associated with the second rope groove for pressing the second associated rope into the second rope groove;

a first adjustment device associated with the first hold-down system, said first adjustment device adapted to controllably vary a first engagement depth of the first associated rope in the first rope groove.

22. (new) The traction sheave hoist as set forth in claim 21, further comprising:

a second adjustment device associated with the second hold-down system, said second adjustment device adapted to controllably vary a second engagement depth of the second associated rope in the second rope groove.

23. (new) A service lift comprising:

a platform;

at least first and second ropes connected to the platform; and,

a traction sheave hoist comprising for moving the platform, said traction sheave hoist comprising:

a motor;

a traction sheave driven by said motor and comprising a circumference in which at least a first rope groove and a second rope groove are formed, said first and second grooves adapted to receive said first and second associated ropes, respectively;

a first hold-down system associated with the first rope groove for pressing the first rope into the first rope groove;

a second hold-down system associated with the second rope groove for pressing the second rope into the second rope groove;

an adjustment device associated with at least one of the first and second hold-down systems for controllably varying the operating position thereof.